

## Author Index for Volume 94

ASHLEY, JONATHAN: On the Perron-Frobenius eigenvector for nonnegative integral matrices whose largest eigenvalue is integral, 103

BUTKOVÍČ, PETER, ČECHLÁROVÁ, KATAVÍNA, and SZABÓ, PETER: Strong linear independence in bottleneck algebra, 133

ČECHLÁROVÁ, KATAVÍNA: *See* Butkovič, Peter

CHENG, SUI-SUN, LI, HORNG-JAAN, LU, TZON-TZER, and WU, SHU-HEI: Regular and singular orthants of tridiagonal matrices, 181

CORDOVIL, RAUL and SILVA, ILDA P.: Determining a matroid polytope by non-radon partitions, 55

COXSON, PAMELA G., LARSON, LOREN C. and SCHNEIDER, HANS: Monomial patterns in the sequence  $A^k b$ , 89

COXSON, PAMELA G. and SHAPIRO, HELENE: Positive input reachability and controllability of positive systems, 35

DA PURIFICAÇÃO COELHO, M<sup>a</sup>: *See* da Silva, J. A. Dias

DA SILVA, J. A. DIAS and DA PURIFICAÇÃO COELHO, M<sup>a</sup>: Linear groups associated with elements of a group algebra, 165

DA SILVA, J. A. DIAS and FONESCA, AMÉLIA: Vector colorability, 67

DE CHELA, DELIA FLORES: Generalized inverses under the  $l_1$ -norm, 237

FONESCA, AMÉLIA: *See* da Silva, J. A. Dias

GREGORAC, R. J. and HENTZEL, IRVIN ROY: A note on the analogue of Oppenheim's inequality for permanents, 109

HARTWIG, ROBERT E: Resultants, companion matrices, and Jacobson chains, 1

HENTZEL, IRVIN ROY: *See* Gregorac, R. J.

KLIEM, WOLFHARD: *See* Pommer, Christian

KNÜPPEL, FRIEDER and NIELSEN, KLAUS: On products of two involutions in the orthogonal group of a vector space, 209

KNÜPPEL, FRIEDER and NIELSEN, KLAUS: Products of involutions in  $O^+(V)$ , 217

KOVACS, AMOS: Some enumeration problems for matrices over a finite field, 223

LARSON, LOREN C.: *See* Coxson, Pamela G.

LI, HORNG-JAAN: *See* Cheng, Sui-Sun

LU, TZON-TZER: *See* Cheng, Sui-Sun

MINC, HENRYK: On a conjecture of R. A. Brualdi, 61

NIELSEN, KLAUS: On bireflectionality and trireflectionality of orthogonal groups, 197

NIELSEN, KLAUS: *See* Knüppel, Frieder

POMMER, CHRISTIAN and KLIEM, WOLFHARD: Simultaneously normalizable matrices, 113

QUEBBEMANN, H.-C.: A representation theorem for algebras with involution, 193

ROBINSON, DONALD W.: Nullities of submatrices of the Moore-Penrose inverse, 127

SCHNEIDER, HANS: *See* Coxson, Pamela G.

SHAPIRO, HELENE: *See* Coxson, Pamela G.

SILVA, ILDA P.: *See* Cordovil, Raul

STĘPNIAK, CZESLAW: Two orderings on a convex cone of nonnegative definite matrices, 263

SZABÓ, PETER: *See* Butkovič, Peter

TERWILLIGER, PAUL: Root system graphs, 157

WU, SHU-HEI: *See* Cheng, Sui-Sun



ROBERT E. HARTWIG (Raleigh, NC)	
Resultants, Companion Matrices, and Jacobson Chains .....	1
PAMELA G. COXSON (Columbus, OH) AND HELENE SHAPIRO (Swarthmore, PA)	
Positive Input Reachability and Controllability of Positive Systems .....	35
RAUL CORDOVIL AND ILDA P. SILVA (Lisboa, Portugal)	
Determining a Matroid Polytope by Non-Radon Partitions .....	55
HENRYK MINC (Santa Barbara, CA)	
On a Conjecture of R. A. Brualdi .....	61
J. A. DIAS DA SILVA AND AMÉLIA FONESCA (Lisboa, Portugal)	
Vector Colorability .....	67
PAMELA G. COXSON (Columbus, OH), LOREN C. LARSON (Northfield, MN), AND HANS SCHNEIDER (Madison, WI)	
Monomial Patterns in the Sequence $A^k b$ .....	89
JONATHAN ASHLEY (Santa Cruz, CA)	
On the Perron-Frobenius Eigenvector for Nonnegative Integral Matrices Whose Largest Eigenvalue is Integral .....	103
R. J. GREGORAC AND IRVIN ROY HENTZEL (Ames, IA)	
A Note on the Analogue of Oppenheim's Inequality for Permanents .....	109
CHRISTIAN POMMER AND WOLFHARD KLIEM (Lyngby, Denmark)	
Simultaneously Normalizable Matrices .....	113
DONALD W. ROBINSON (Provo, UT)	
Nullities of Submatrices of the Moore-Penrose Inverse .....	127
PETER BUTKOVÍČ, KATAVÍNA CECHLÁROVÁ, AND PETER SZABÓ (Košice, Czechoslovakia)	
Strong Linear Independence in Bottleneck Algebra .....	133
PAUL TERWILLIGER (Madison, WI)	
Root System Graphs .....	157
J. A. DIAS DA SILVA AND M. DA PURIFICAÇÃO COELHO (Lisboa, Portugal)	
Linear Groups Associated with Elements of a Group Algebra .....	165
SUI-SUN CHENG, HORNG-JAAN LI, TZON-TZER LU, AND SHU-HEI WU (Hsinchu, Taiwan, Republic of China)	
Regular and Singular Orthants of Tridiagonal Matrices .....	181

H.-G. QUEBBEMANN (Münster, Federal Republic of Germany) A Representation Theorem for Algebras with Involution . . . . .	193
KLAUS NIELSEN (Kiel, West Germany) On Bireflectionality and Trieflectionality of Orthogonal Groups . . . . .	197
FRIEDER KNÜPPEL AND KLAUS NIELSEN (Kiel, West Germany) On Products of Two Involutions in the Orthogonal Group of a Vector Space . . . . .	209
FRIEDER KNÜPPEL AND KLAUS NIELSEN (Kiel, West Germany) Products of Involutions in $O^+(V)$ . . . . .	217
AMOS KOVACS (Haifa, Israel) Some Enumeration Problems for Matrices Over a Finite Field . . . . .	223
DELIA FLORES DE CHELA (Caracas, Venezuela) Generalized Inverses under the $I_1$ -Norm . . . . .	237
CZESŁAW STĘPNIAK (Lublin, Poland) Two Orderings on a Convex Cone of Nonnegative Definite Matrices . . . . .	263
AUTHOR INDEX . . . . .	273

